Amendments to the Claims:

The following listing of claims will replace all prior versions and listings, of claims in the application:

1. (Currently Amended) A personal computer including, but not limited to:

the personal computer being configured to provide a ~~wireless~~ network connection to a network of ~~said personal~~ computers, the network including ~~an~~ the Internet;

~~the personal computer being further configured to participate in an operation with another said personal computer;~~

~~the personal computer including~~ a microchip including a microprocessor, the microprocessor including ~~with~~ a master control unit ~~and a~~ that is configured using hardware and includes at least two processing ~~unit~~ units, the master control unit being further configured to allow a user of the personal computer to control the processing ~~unit~~ units;

the microchip further including an internal firewall that is configured ~~to deny access by the other personal computer through the network to a portion of the microchip during the operation;~~ with hardware to make the master control unit of the microprocessor inaccessible from the network including the Internet when the personal computer is connected to the network including the Internet;

the internal firewall is further configured with hardware to make at least one of the processing units of the microprocessor accessible for an operation with another computer in the network including the Internet when the personal computer is connected to the network including the Internet;

the microchip including a non-volatile memory component;

the microchip including a power management component; and

the microchip ~~further~~ including <u>an</u> active configuration of a circuit integrated into the microchip.

2. (Currently Amended) The personal computer of claim 1, wherein the <u>master control unit includes at least one of the processing units</u> ~~internal firewall is configured to deny access to another portion of the microchip by the control unit and to deny access to the control unit by the other personal computer~~.

3. (Currently amended) The personal computer of claim ~~1~~<u>2</u>, wherein the internal firewall ~~is a hardware firewall~~ <u>is also configured with firmware</u>.

4. (Currently amended) The personal computer of claim ~~1~~<u>2</u>, wherein the microchip includes ~~the processing unit and the internal firewall is configured to permit access by the other personal computer through the network to a first processing unit to execute an operation initiated by the other personal computer~~ <u>a power management component</u>.

5. (Currently amended) The personal computer of claim ~~1~~<u>2</u>, wherein the active configuration is provided by the use of field-programmable gate arrays (FPGAs).

6. (Currently amended) The personal computer of claim ~~1~~<u>2</u>, wherein the active configuration is provided by the use of a micro electromechanical system (MEMS).

7.   (Currently amended) The personal computer of claim ~~1~~2, wherein the active configuration is used to configure said firewall.

8. (Currently Amended) The personal computer of claim ~~1~~2, wherein the <u>master</u> control unit ~~is controlled by the use of a remote controller~~ <u>also includes hardware and firmware</u>.

9.   (Currently amended) The personal computer of claim ~~1~~2, wherein the personal computer includes one or more of a telephone, a radio, a pager, a handheld personal digital assistant, a wearable computer, a digital signal processor, an entertainment device, a game, a videocam, an optical data recording device, a camera, a household electronic device, a business electronic device, and an automobile.

10.   (Currently amended) The personal computer of claim ~~1~~2, wherein the ~~personal computer is configured to establish~~ <u>the network connection includes</u> a direct wireless connection to the <u>another</u> ~~personal~~ computer ~~within a local cluster of personal computers~~.

11.   (Currently amended) The personal computer of claim [[4]] <u>2</u>, wherein the internal firewall~~is~~ <u>also</u> configured to <u>temporarily</u> deny access to ~~a second~~ <u>at least one of the</u> processing unit<u>s</u> by the <u>another</u> ~~personal~~ computer through the network.

12.   (Currently amended) The personal computer of claim ~~1~~2, wherein the microchip <u>further</u> includes a network communications component.

13.   (Currently amended) The personal computer of claim ~~1~~2, wherein the microchip further includes a flash memory component.

14.   (Currently amended) The personal computer of claim ~~1~~2, wherein the flash memory component includes a BIOS (basic input/output system) of the personal computer.

15.   (Currently amended) The personal computer of claim ~~1~~2, wherein the microchip further includes a sound component of the personal computer.

16.   (Currently amended) The personal computer of claim ~~1~~2, wherein the microchip further includes a graphics component of the personal computer.

17.   (Currently amended) The personal computer of claim ~~1~~2, wherein the microchip further includes a video processing component of the personal computer.

18.   (Currently amended) The personal computer of claim ~~1~~2, wherein the microchip further includes an analog component of the personal computer.

19.   (Currently amended) The personal computer of claim ~~1~~2, wherein the microchip further includes a modem component of the personal computer.

20. (Currently amended) The personal computer of claim ~~1~~ 7, wherein ~~the microchip includes more than one said microprocessors~~ the active configuration of the firewall is provided by the use of field-programmable gate arrays (FPGAs).

21. (Currently Amended) The personal computer of claim ~~1~~2, wherein the microchip includes at least four or eight or 16 or 64 or 128 or 256 or 512 or 1024 of said ~~microprocessors~~ processing units.

22. (Currently Amended) The personal computer of claim ~~1~~2, wherein ~~the microchip includes at least sixteen said microprocessors~~ the master control unit is configured to be temporarily inaccessible from the network when the computer is connected to the network.

23. (Currently Amended) The personal computer of claim ~~1~~2, wherein ~~the microchip includes at least sixty-four said microprocessors~~ the master control unit is configured to be permanently inaccessible from the network when the computer is connected to the network.

24. (Currently amended) The personal computer of claim ~~1~~2, wherein ~~the network includes a World Wide Web~~ the internal firewall has default settings that safely protect the personal computer from access from the Internet, but with the capability for a user of the personal computer to override the default settings.

25.   (Currently amended) The personal computer of claim ~~1~~2, wherein ~~the network includes an Intranet~~ the configuration of the internal firewall is controlled by a network administrator in a local network.

26. (New) A computer including, but not limited to:

the computer being configured to provide a network connection to a network of computers, the network including the Internet;

a master controlling device that is configured using hardware;

at least two microprocessors;

an internal firewall that is configured with hardware to make the master controlling device of the computer inaccessible from the network including the Internet when the computer is connected to the network including the Internet; and

the internal firewall is also configured with hardware to make at least one of the microprocessors of the computer accessible for an operation with another computer in the network including the Internet when the computer is connected to the network including the Internet; and

the computer includes an active configuration of the motherboard hardware.

27. (New) The computer of claim 26, wherein the master controlling device includes one of the microprocessors.

28. (New) The computer of claim 26, wherein the configuration of the internal firewall is controlled by a network administrator in a local network.

29. (New) A microchip for a computer that is configured for connection to a network including the Internet, including, but not limited to:

a master control unit that is configured using hardware;

at least two processing units;

an internal firewall that is configured with hardware to make the master control unit of the microchip inaccessible from the network including the Internet when the computer is connected to the network including the Internet; and

the internal firewall is also configured with hardware to make at least one of the processing units of the microchip accessible for an operation with another computer in the network including the Internet when the computer is connected to the network including the Internet; and

the microchip including an active configuration of a circuit integrated into the microchip.

30. (New) The computer of claim 29, wherein the master control unit includes one of the processing units.

31. (New) The computer of claim 29, wherein the configuration of the internal firewall is controlled by a network administrator in a local network.